

US EPA ARCHIVE DOCUMENT

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Compound Brodifacoum. WBA 8119

Citation

The Acute Oral Toxicity of WBA 8119 to the Domestic Pig
D.B. Ross, Huntingdon Research Center, Report No. SRX/2/7670
Jan 27, 1976.

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Core Classification Supplementary

Tox Category I

Conclusion

The LD₅₀ was estimated as between 0.5 and 2.0 mg/kg.

Materials

WB 8119 (brodifacoum)

Large white pigs from a local pig breeder.

Methods

Compound was administered orally by gavage in polyethylene glycol 300. Two animals per dose were dosed at 0.5, 1.0, 2.0, 5.0 or 10 mg/kg. Animals were observed for 21 days. Animals were sacrificed in extremis or at termination and necropsied.

Results

All animals died except one at 0.5 and two at 1.0 mg/kg. Deaths occurred 3 to 18 days postdose. LD₅₀ was estimated as between 0.5 and 2.0 mg/kg. Animals appeared normal until about four hours before death when some loss of muscle function and mild convulsions were observed. Bleeding from the nose, ears and rectum was observed immediately prior to death. Necropsy revealed signs of internal bleeding in the animals that died.

Table 2. Male and Female Cats

	Dose (mg/kg)			
	5.00	10.00	25.00	50.00
(no. died/no. treated)	0/2	0/2	1/2	0/2

LD₅₀ estimated at 25mg/kg

The animal that died was not necropsied. Animals at 50mg/kg showed subdued behavior and loss of appetite at about two weeks but were normal at 4 weeks.